

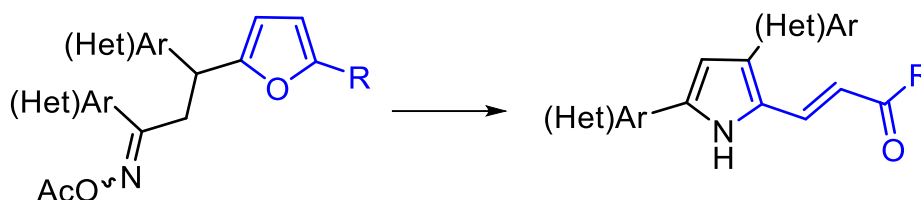
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**ACID-CATALYZED REARRANGEMENT OF FURYL-TETHERED OXIMES:
SYNTHESIS OF FUNCTIONALIZED PYRROLES****A. S. Makarov, A. A. Fadeev, M.G. Uchuskin***Perm State University / Bukireva, 15, Perm, 614990, Russia.*

E-mail: antony.s.makarov@psu.ru

Polyarylated pyrroles have extensively utilized as building-blocks in material science¹. High demand for functionalized pyrrole substrates motivated us to develop a general synthetic protocol toward such valuable compounds based on furan dearomatization approach².

We report here a novel dearomatizative rearrangement of furyl-tethered oxime esters under acidic conditions that provides 2,4-di(het)arylpyrroles possessing highly reactive acylvinyl fragment.

**Scheme 1.** Synthesis of functionalized pyrroles

Scope and limitations of the described protocol as well as further synthetic applications of the obtained products will be discussed.

References

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